

S370 Series

CPU Cards

Installation Guide



Introduction

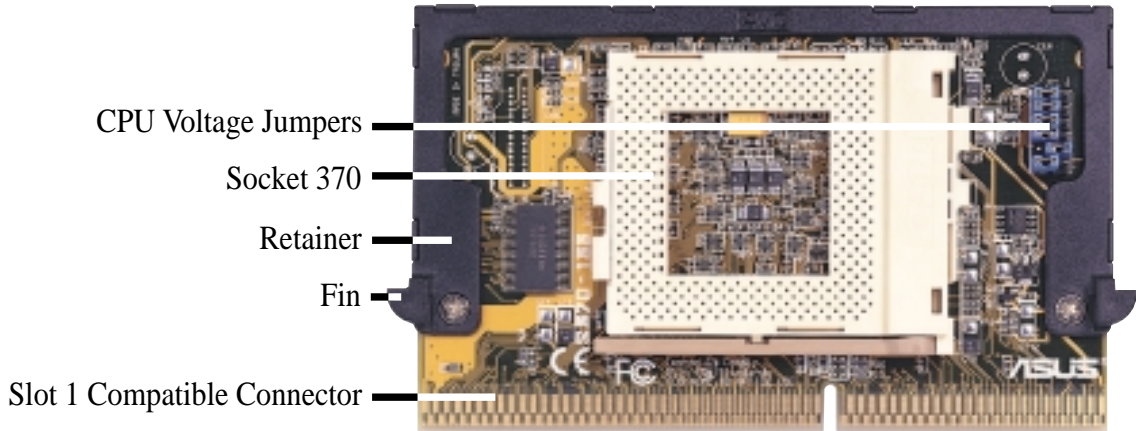
The ASUS S370 Series CPU cards allow Slot 1 motherboards to accept socket 370 processors with Front Side Bus running at up to 133MHz. The ASUS S370 Series CPU cards support both Coppermine and Celeron processors to give Slot 1 motherboard owners an inexpensive way to upgrade their Pentium II/III computers using lower costing socket 370 processors. Since socket 370 processors are designed on the Pentium II/III design, the only difference is the package form factor. Additionally, the S370 Series CPU cards can acquire temperature data from the processor's thermal diode and send it to the motherboard that supports CPU thermal monitoring.

The following are pictures of the ASUS S370 Series CPU cards with black plastic retainers attached to the edges. The retainers are used to hold the ASUS S370 Series CPU cards in place using the motherboard's Slot 1 retention mechanisms.

S370-133 CPU Card

ASUS S370-133 CPU Card (standard model)

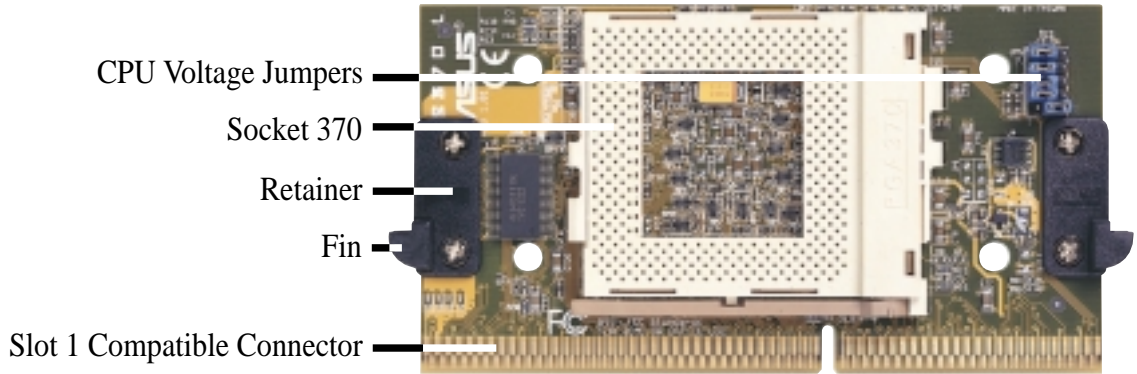
- 133MHz FSB Coppermine/Celeron Processor Support
- Better Support with Full Retainer



S370-L CPU Card

ASUS S370-L CPU Card (for smaller cases)

- 133MHz FSB Coppermine/Celeron Processor Support
- Low Profile



Using the S370 Series CPU Cards

The general procedure for using the ASUS S370 Series CPU cards:

1. Check the voltage setting for your socket 370 processor using the jumpers on the card if necessary. For current socket 370 processors, the default setting should be used.
2. Install the socket 370 processor. Installation of socket 370 processors is exactly like socket 7 processors. Lift the brown lever to 90° to install the processor and lower the brown lever to lock the processor.
3. Install the CPU fan.
4. Insert the ASUS S370 Series CPU cards into Slot 1 on the motherboard. The two fins on the sides of the ASUS S370 Series CPU cards must catch on the retention mechanism so that it locks in place.
5. Connect the socket 370 processor's fan connector to the motherboard.
6. Make sure that no wires or objects come in contact with the fan and you're done!

Setting up the S370 Series CPU Cards

Setting the CPU voltage is *not* necessary for current socket 370 processors. If required, your socket 370 processor should have its voltage requirement printed on its surface or documentation. If no voltage is indicated or you are not sure, use the “CPU Def.” setting as shown below. Notice that **JP6** should be set for the S370-133 CPU card to distinguish between Coppermine and Celeron processors. The S370-L CPU card can automatically distinguish these two types of CPU.

WARNING! Exceeding your socket 370 processor's required voltage can damage your processor permanently! Make sure that the jumpers are as shown for “CPU Def.” unless otherwise specified before powering on your motherboard.

Setting up the S370 Series CPU Cards

For S370-133 CPU Card

1 2 3
JP6

Using Coppermine Processor
(Default)

1 2 3
JP6

Using Celeron Processor

	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
JP1										
JP2										
JP3										
JP4										
JP5										
	1.50Volts	1.55Volts	1.60Volts	1.65Volts	1.70Volts	1.75Volts	1.80Volts	1.85Volts	1.90Volts	1.95Volts
	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
JP1										
JP2										
JP3										
JP4										
JP5										
	2.00Volts	2.05Volts	2.10Volts	2.20Volts	2.30Volts	2.40Volts	2.50Volts	2.60Volts	CPU Def. (Default)	

Socket 370 CPU Voltage



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